

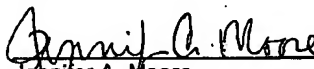
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CERTIFICATE OF MAILING

I hereby certify that this correspondence (along with any paper referenced to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to MS 16, Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450.

Date:

11-8-04

  
Jennifer A. Moore

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re **PATENT** application of:

Applicant(s): Hans Kuehn

Filed: November 18, 2003

Serial No: 10/716,167

Docket No. KUHNPO101USA

Title: PLASTIC TUBE BODIES, AND METHOD FOR PRODUCING THEM

**REQUEST FOR REFUND**

MS 16

Director of the U.S. Patent and Trademark Office

P.O. Box 1450

Alexandria, VA 22313-1450

2004 NOV 17 07:49:51

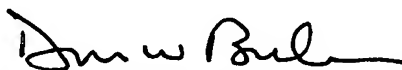
RECEIVED  
DIVISION

Applicant is entitled to claim small entity status for this application. Request hereby is made for a refund of the excess amount paid on September 17, 2004, as follows:

Fee Paid	Refund
Filing Fee	\$385.00
Surcharge for late filing	\$65.00
Extension of term	\$1,005.00
Issue fee	
Patent maintenance fee	
Other:	
Total refund requested	\$1,455.00

Please credit the refund to Deposit Account No. 18-0988 under Docket No. KUHNPO101USA.

Respectfully submitted,



Don W. Bulson, Reg. No. 28,192  
RENNER, OTTO, BOISSELLE & SKLAR, LLP  
1621 Euclid Avenue - 19th Floor  
Cleveland, Ohio 44115  
(216) 621-1113

OCT 26 2004



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Address: COMMISSIONER FOR PATENTS  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450  
www.uspto.gov

**NOTIFICATION OF NON-ACCEPTANCE OF PATENT MAINTENANCE FEE**

IN RE PATENT NUMBER: 5160316

PAYMENT RECEIVED IN THE MAILROOM : 10/21/04

The Maintenance Fee payment was not accepted due to the following reason(s):

☐ The fee was previously paid on

☐ The fee was paid too early. Pursuant to 37CFR 1.362(d), the payment window will open

☐ Pursuant to 37 CFR 1.326(a), 1.362(b), the patent is not subject to maintenance fees.

☐ An invalid or incorrect serial/ patent number was submitted for payment.

☒ The above cited patent number was reissued. In accordance with 37 CFR 1.366(d), the reissue patent and serial number must be provided to complete the required maintenance fee.

☒ Pursuant to 37 CFR 1.366(b), you must provide us with an additional 50.00 to complete the required maintenance fee. Maintenance fees were adjusted this fiscal year. A copy of the new fee schedule is attached for your information.

☐ Our records indicate that the entity status on this patent is large.  
Pursuant to 37 CFR 1.366(f), you must submit a written assertion claiming small entity or provide an additional \$ 0.00 in order to complete the required maintenance fee for large entity.

☐ The entity status for the patent is currently small, however the maintenance fee payment submitted was for large entity. If the entity status is now large, a written assertion claiming large entity status must accompany the maintenance fee payment. Small entity payment was applied to the above patent, pending response from customer regarding large entity status. The balance was refunded as noted below.

☐ An excess payment of \$ 0.00 has been credited to your deposit account #

☐ Your check # in the amount of \$ 0.00 was credited back to your deposit account #

☐ A Treasury check or Electronic Funds Transfer (EFT) refund will be issued back to you in the amount of \$ 0.00

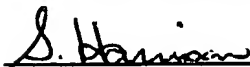
☐ Pursuant to 37 CFR 1.362(e), as of a surcharge amount of 0.00 must be submitted to complete the required maintenance fee. If not received by the patent will expire.

☐ The above cited patent expired on . Expired patents may be reinstated in accordance with 37 CFR 1.378.

☐ Your deposit account was not charged. The documentation you submitted for payment is being returned herewith.

☐ Your credit card was not charged. See attached document for details.

PLEASE SEND ADDITIONAL \$50.00 BEFORE NOV 3RD, 2004 AS YOUR PATENT WILL EXPIRE AFTER THAT WHEN SENDING ADDITIONAL MONEY PLEASE SEND IT TO THE FOLLOWING ADDRESS.

  
Signature (703) 308-5068

MAIL STOP M. CORRESPONDENCE  
COMMISSIONER FOR PATENTS  
P.O. BOX 1450  
ALEXANDRIA, VA 22313-1450  
ATTN. SHANNON HARRISON

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**MAINTENANCE FEE TRANSMITTAL FORM**

Address to:  
U.S. Patent and Trademark Office  
P.O. Box 371611  
Pittsburgh, PA 15250-1611

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to "United States Patent and Trademark Office, P.O. Box 371611, Pittsburgh, PA 15250-1611" on \_\_\_\_\_.

Signature \_\_\_\_\_

Typed or printed name \_\_\_\_\_

Enclosed herewith is the payment of the maintenance fee(s) for the listed patent(s).

- ☒ A check for the amount of \$ 1675.00 for the full payment of the maintenance fee(s) and any necessary surcharge on the following patents is enclosed.
- ☐ The Director is hereby authorized to charge \$ \_\_\_\_\_ to cover the payment of the fee(s) indicated below to Deposit Account No. \_\_\_\_\_. A duplicative copy of this form is enclosed.
- ☐ The Director is hereby authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. \_\_\_\_\_. A duplicative copy of this form is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.

\* Information required by 37 CFR 1.366(c) (columns 1 & 4). Information requested under 37 CFR 1.366(d) (columns 2, 3, & 5)

Item	Patent Number*	Maintenance Fee Amount (37 CFR 1.20 (e)-(g))	Surcharge Amount (37 CFR 1.20(h)&(g))	U.S. Application Number* (e.g., 08/555,555)	Payment Year		
					Column 5		
	Column 1	Column 2	Column 3	Column 4	3.5 yrs	7.5 yrs	11.5 yrs
1	5160316	1610.00	65.00	579,799			✓
2							
3							
4							
5							

Subtotals: Columns 2 & 3

1610.00 65.00

Total Payment

\$1675.00

☐ \_\_\_\_\_ additional sheets attached for listing additional patents.

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on Form PTO-2038.

Respectfully submitted,

Customer's Signature: \_\_\_\_\_

Customer's Name: \_\_\_\_\_

Telephone: \_\_\_\_\_

Note: All correspondence will be forwarded to the "Fee Address" or to the "Correspondence Address" if no "Fee Address" has been provided. See 37 CFR 1.363.

Payment of small entity fee is appropriate if small entity status still exists, see 37 CFR 1.27(g). To establish small entity status or to change status from small to large entity, a written assertion is required. See 37 CFR 1.27 and 1.33(b).

\*\* WHERE MAINTENANCE FEE PAYMENTS ARE TO BE MADE BY AUTHORIZATION TO CHARGE A DEPOSIT ACCOUNT, BOTH THE NAME AND SIGNATURE OF AN AUTHORIZED USER ARE REQUIRED.

This collection of information is required by 37 CFR 1.366. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 0.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: United States Patent and Trademark Office, P.O. Box 371611, Pittsburgh, PA 15250-1611.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



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U. S. TRUST COMPANY, N.A.  
225 FRANKLIN STREET, 3RD FLOOR  
BOSTON, MA 02110

1007  
51-4308/211  
1005

10/15/2004

**JAMES HARBOUR HOLDINGS LP**  
150 SE 2ND AVE. STE. 1301  
MIAMI, FL 33131

PAY TO THE ORDER OF US Patent and Trademark Office \$\*\*1,675.00

One Thousand Six Hundred Seventy-Five and 00/100\* DOLLARS

US Patent and Trademark Office  
P.O. Box 371611  
Pittsburgh, PA 15250-1611

MEMO

⑈001007⑈ ⑆021113086⑆ 10 4856 2⑈ ⑈0000167500⑈

*[Signature]*

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ARROW  
INTERNATIONAL  
INVESTMENT CORP.

103 Springer Building  
3411 Silverside Road  
Wilmington, Delaware 19810  
(302) 478-6160  
FAX (302) 478-3667

November 5, 2004

Commissioner of Patents and Trademarks  
Deposit Accounts  
2011 Crystal Drive  
Suite 307  
Washington, DC 22202

Re: Deposit Account Number 50-0862

Ladies and Gentlemen:

Please close our Deposit Account, No. 50-0862, at your earliest convenience and send a check in the amount of \$3315.00, payable to Arrow International Investment Corp., to my attention.

Enclosed for your convenience is the Monthly Statement of Deposit Account dated September 30, 2004. If you need to reach me by telephone, please call 610-320-3072. Thank you for your assistance.

Sincerely,

ARROW INTERNATIONAL INVESTMENT CORP.

  
Kathleen S. Wetzel  
Assistant Secretary

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**Under Secretary of Commerce for Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)**

To replenish your deposit account, detach and return top portion with your check. Make check payable to Director of Patents & Trademarks.

ARROW INTERNATIONAL INVESTMENT CORP  
KATHLEEN S WETZEL  
P O BOX 12888

## FINA

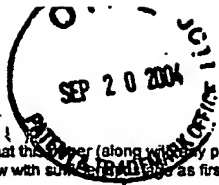
READING PA 19612

Account No.	500862
Date	9-30-04
Page	1

**PLEASE SEND REMITTANCES TO:  
U. S. Patent and Trademark Office  
P.O. Box 70541  
Chicago, IL 60673**

MS020A (2/2003)

\*\*\* O.D. INDICATES OVERDRAWN



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I hereby certify that this paper (along with any paper or item referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first-class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date:

9-17-04

Jennifer A. Moore

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT application of:

Applicant(s): Hans Kuehn

Serial No: 10/716,167

Filed: November 18, 2003

Title: PLASTIC TUBE BODIES, AND METHOD  
FOR PRODUCING THEM

Examiner: <>

Art Unit: <>

Docket No. KUHN0101US  
(formerly BARDP0101USA)

PETITION AND FEE FOR EXTENSION OF TIME

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Petition hereby is made for an extension of time to respond to the Office communication mailed on  
February 18, 2004 for a period of:

Number of months (put an "X" in box)	One	\$110	\$0.00
	Two	\$420	\$0.00
	Three	\$950	\$0.00
	Four	\$1,480	\$0.00
	X Five	\$2,010	\$2,010.00
Extension Fee (large entity)			\$2,010.00
Small Entity Status claimed (put an "X" in box)		Extension Fee (small entity)	\$0.00
less amount paid previously for earlier extension of same deadline			\$0.00
Payment due			\$2,010.00

Fee Payment: ☒ Attached is a credit card payment form covering the fee.  
☐ Charge the fee to Deposit Account No. 18-0988, under the above-shown docket number.

If any additional extension of time for the accompanying response is required, applicant requests that this be considered a petition therefor.

The Commissioner is authorized to charge any additional fee which may be required by this petition, or credit any overpayment, to Deposit Account No. 18-0988 under the above-shown docket number.

09/21/2004 HAL111 00000009 10716167

03 FC:1255

2010.00 OP

Adjustment date: 12/22/2004 SDIRETA1

09/21/2004 HAL111 00000009 10716167

03 FC:1255

-2010.00 OP

Z:\SEC\152\DWB\KUHN\0101\0101USA.P03.wpd

Don W. Bulson, Reg. No. 28,192  
RENNER, OTTO, BOISSELLE & SKLAR, P.L.L.  
1621 Euclid Avenue, 19th Floor  
Cleveland, Ohio 44115  
(216) 621-1113

12/22/2004 SDIRETA1 00000012 10716167

1005.00 OP

03 FC:1255

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CERTIFICATE OF MAILING

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Date:

11-8-04

*Jennifer A. Moore*  
Jennifer A. Moore

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re **PATENT** application of:

Applicant(s): Hans Kuehn

Filed: November 18, 2003

Serial No: 10/716,167

Docket No. KUHNPO101USA

Title:

PLASTIC TUBE BODIES, AND METHOD FOR PRODUCING THEM

**REQUEST FOR REFUND**

MS 16  
Director of the U.S. Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Applicant is entitled to claim small entity status for this application. Request hereby is made for a refund of the excess amount paid on September 17, 2004, as follows:

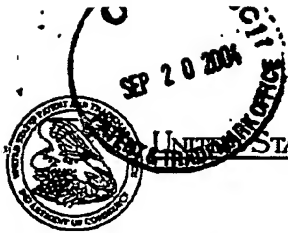
Fee Paid	Refund
Filing Fee	\$385.00
Surcharge for late filing	\$65.00
Extension of term	\$1,005.00
Issue fee	
Patent maintenance fee	
Other:	
Total refund requested	\$1,455.00

Please credit the refund to Deposit Account No. 18-0988 under Docket No. KUHNPO101USA.

Respectfully submitted,

*Don W. Bulson*  
Don W. Bulson, Reg. No. 28,192  
RENNER, OTTO, BOISSELLE & SKLAR, LLP  
1621 Euclid Avenue - 19th Floor  
Cleveland, Ohio 44115  
(216) 621-1113





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## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NUMBER	FILING OR 371 (c) DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/716,167	11/18/2003	Hans Kuehn	BARDP0101USA

CONFIRMATION NO. 3879

Don W. Bulson, Esq.  
 Renner, Otto, Boisselle & Sklar, LLP  
 19th Floor  
 1621 Euclid Ave.  
 Cleveland, OH 44115

## FORMALITIES LETTER



\*OC000000011915644\*

12/22/2004 SDIRETA1 00000012 10716167

Date Mailed: 02/18/2004

01 FC:2001 385.00 OP  
 02 FC:2051 65.00 OP

## NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

09/21/2004 HALI11 00000009 10716167

FILED UNDER 37 CFR 1.53(b)

01 FC:1001 770.00 OP  
 02 FC:1051 130.00 OP

*Filing Date Granted*Items Required To Avoid Abandonment:

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The statutory basic filing fee is missing.  
*Applicant must submit \$ 770 to complete the basic filing fee for a non-small entity. If appropriate, applicant may make a written assertion of entitlement to small entity status and pay the small entity filing fee (37 CFR 1.27).*
- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(e) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

The applicant needs to satisfy supplemental fees problems indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Additional claim fees of \$290 as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

SUMMARY OF FEES DUE:

Total additional fee(s) required for this application is **\$1190** for a Large Entity

- \$770. Statutory basic filing fee.
- \$130 Late oath or declaration Surcharge.
- Total additional claim fee(s) for this application is \$290

Adjustment date: 12/22/2004 SDIRETA1  
 09/21/2004 HALI11 00000009 10716167  
 01 FC:1001 -770.00 OP  
 02 FC:1051 -130.00 OP

Refund Ref: 12/22/2004 0030019064  
 Credit Card Refund Total: \$1455.00  
 Am Exp.: XXXXXXXXXX1007